

S257333



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

PRELIMINARY ISSUE

D5795-3

Job Sheet 206992

Tel (613) 632-5200
Fax 613 632-5246

POSITIVE RECALL

EFFECTIVE DATE 20-02-21 AUTH

BASED 9 DATE 20-02-21

Part No: D5795-3

Job Qty: 6 pcs

ok to release as per ECU 20-521
part make to Rev A

Part Name: Back Rim



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/14/20

Job Tracking No:

Created By: Linda Lacelle

Due Date: 3/13/20

Description:

Type: Stock

Note: DWG 5795 REV.A8 IPP REV:A NEW ISSUE 20.31.01 JV VERF:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Run Hrs Hrs	Workcenter/Supplier		Sign-off
						Workcenter / Supplier	Lead Time	
100	Large Fab - Basket - 1	6 pcs	3/13/20		0.00 1.20	Large Fab - 1		
						Large Fab - 10		
						Large Fab - 2		
						Large Fab - 3		
						Large Fab - 4		
						Large Fab - 5		
						Large Fab - 6		
						Large Fab - 7		
						Large Fab - 8		
						Large Fab - 9		
						Large Fab - 11 (Various)		
						Large Fab - 12		
110	QC 5	6 pcs	3/13/20		0.00 0.00	QC 5 - 10		
						QC 5 - 12		
						QC 5 - 17		
						QC 5 - 18		
						QC 5 - 19		
						QC 5 - 22		
						QC 5 - 24		
						QC 5 - 3		
						QC 5 - 43		
						QC 5 - 49		
						QC 5 - 51		
						QC 5 - 58		
						QC 5 - 68		
						QC 5 - 9		
						QC 5 - 50		
						QC 5 - 30		
						QC 5 - 40		
						QC 5 - 61		
						QC 5 - 81		



Container No: S257333



Part: D5795-3

Job No: 206992

Serial No/Batch: S257333

Revision: REV.A

Inspector:

Exp Date:

Instructions:

Date: 02/26/20

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

DAS

9 20-02-21

9-89

120 Packaging 3-1 - Stock - B4B 6 pcs

3/13/20

0.00 0.00

Packaging 3 - 1 - B4B

Packaging 3 - 2 - B4B

Packaging 3 - 3 - B4B

Packaging 3 - 4 - B4B

Packaging 3 - 5 - B4B

Packaging 3 - 6 - B4B

Packaging 3 - 7 - B4B

Packaging 3 - 8 - B4B

Packaging 3 - 9 - B4B

Packaging 3 - 10 - B4B

Packaging 3 - 11 - B4B

Packaging 3 - 12 - B4B

Packaging 3 - 13 - B4B

Packaging 3 - 14 - B4B

Packaging 3 - 15 - B4B

Packaging 3 - 16 - B4B

Packaging 3 - 17 - B4B

Packaging 3 - 18 - B4B

Packaging 3 - 19 - B4B

Packaging 3 - 20 - B4B

Packaging 3 - 21 - B4B

Packaging 3 - 22 - B4B

Packaging 3 - 23 - B4B

Packaging 3 - 24 - B4B

Packaging 3 - 25 - B4B

Packaging 3 - 26 - B4B

Packaging 3 - 27 - B4B

Packaging 3 - 28 - B4B

Packaging 3 - 29 - B4B

Packaging 3 - 30 - B4B

Packaging 3 - 31 - B4B

Packaging 3 - 32 - B4B

Packaging 3 - 33 - B4B

Packaging 3 - 34 - B4B

Packaging 3 - 35 - B4B

Packaging 3 - 36 - B4B

Packaging 3 - 37 - B4B

M4C

130 QC 21 - SA

6 pcs

3/13/20

0.00 0.00

QC 21 - SA - 21

QC 21 - SA - 70

QC 21 - SA - 53

3-21
3-70
3-53

FEB 25 2020

Part Op 100 - 1- Cut end drill rib as per dwg 2- Deburr

Descriptions: 110 - QC5- Inspect part completeness to step on W/O

120 - Identify as per dwg & Stock Location: M4004

130 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M4130NTS0.750W.035	4130 Square Tube 0.750 X 0.035W	28.6746 ft (4.7791 ea)	100-Large Fab - Basket - 1	5250794

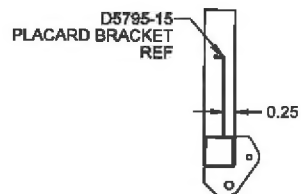
Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Large Fab - Basket - 1	M4130NTS0.750W.035	29	609	0

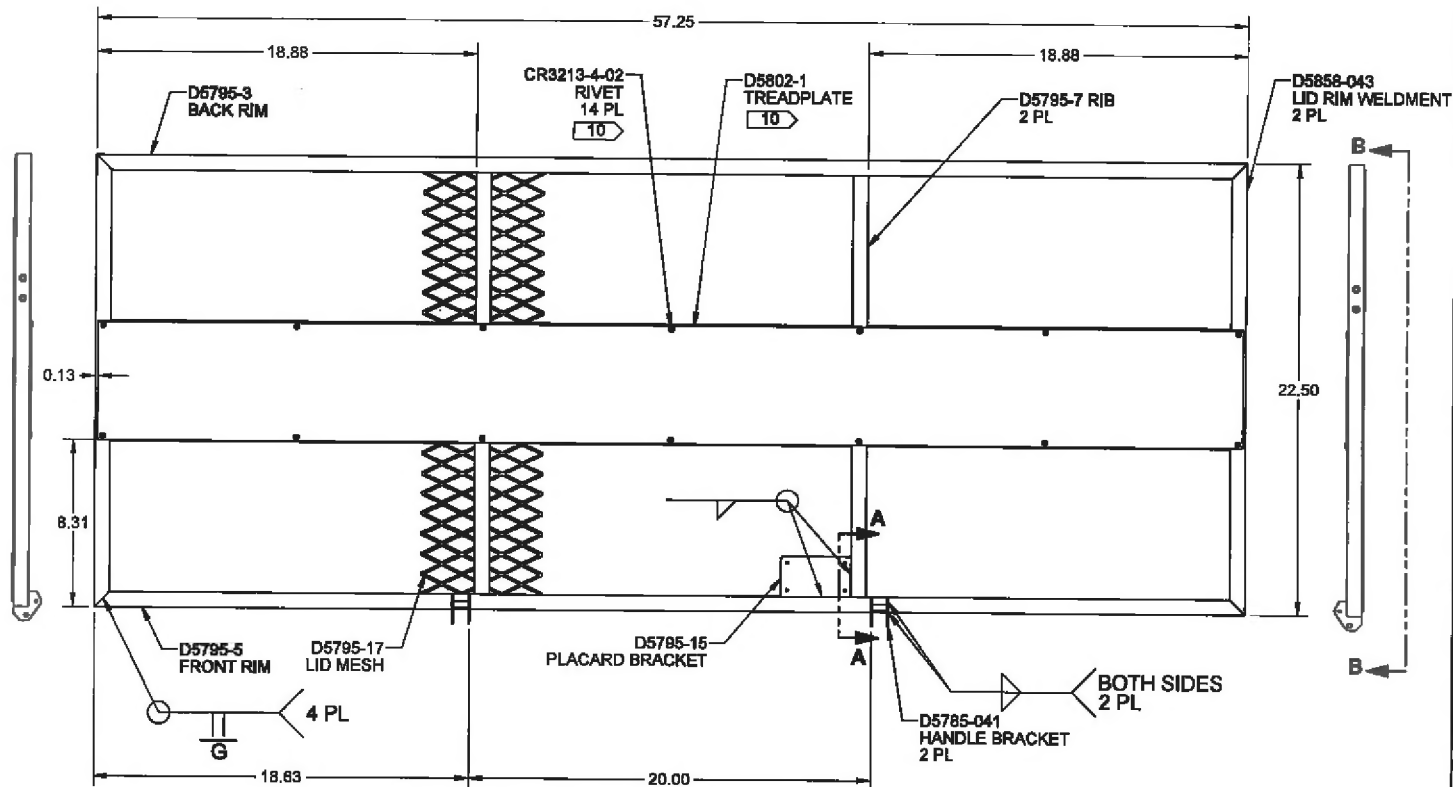
Part Specifications

Specifications could not be found.

QTY -041	P/N	DESCRIPTION
X	D5795-041	SHORT LID ASSY
2	D5785-041	HANDLE BRACKET
1	D5795-3	BACK RIM
1	D5795-5	FRONT RIM
2	D5795-7	RIB
2	D5795-11	STRINGER
4	D5795-13	STRINGER
1	D5795-15	PLACARD BRACKET
1	D5795-17	LID MESH
1	D5802-1	TREADPLATE
2	D5853-045	LID RIM WELDMENT
14	CR3213-4-02	RIVET



SECTION A-A
SCALE 2X



D5795-041 SHORT LID ASSY
(DERIVED FROM AERO DESIGN P/N 77612-01)
(MESH SHOWN LOCALLY FOR CLARITY)

NOTES:

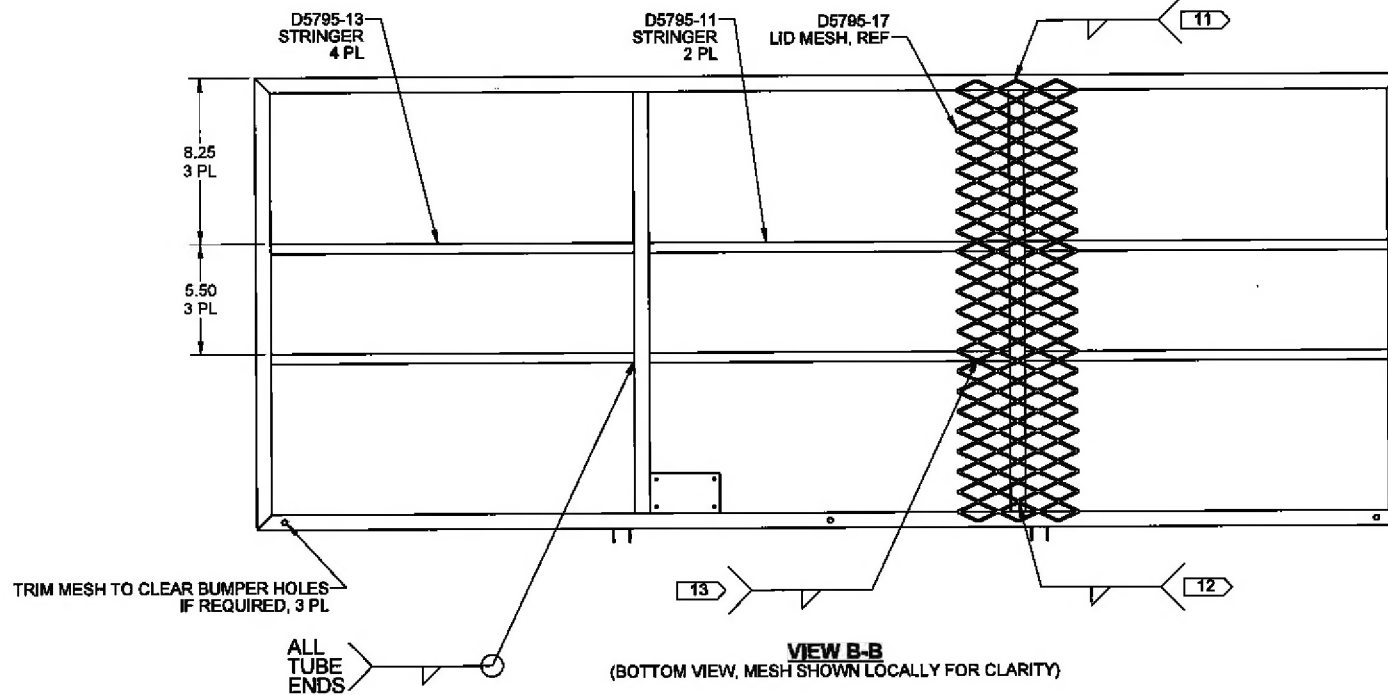
- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "WHITE" (4,3,5,1) PER DART QSI 005 4.3.
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5795-041" AND SERIAL NUMBER PER DART QSI 044 6.6
- 7) WEIGHT: 14.15 lbs
- 8) WELD PER DART QSI 004
- 9) DRILL #30 (Ø0.129) VENT HOLES AS REQUIRED. FILL ALL EXPOSED VENT HOLES WITH ROSETTE WELD PRIOR TO FINISH.
- 10) INSTALL TREADPLATE AFTER FINISH. TRANSFER MARK AND DRILL HOLES Ø0.129/0.132 FROM TREADPLATE TO LID. FAY SEAL TO SURFACES BETWEEN LID AND TREADPLATE WITH RTV SILICONE. SECURE TREADPLATE WITH RIVETS.
- 11) WELD EVERY MESH INTERSECTION ALONG RIM.
- 12) FOR EACH RIB, WELD FIRST 5 MESH INTERSECTIONS DOWN EACH END THEN EVERY 2ND MESH INTERSECTION.
- 13) FOR EACH STRINGER, WELD EVERY 2ND MESH INTERSECTION.

PRELIMINARY ISSUE

PRELIMINARY ISSUE

REV.	NEW ISSUE	DESCRIPTION	ZF	20.01.15
DESIGN	ZF		BY	DATE
DRAWN	ZF			
CHECKED	KPT	DART AEROSPACE LTD		
MFG. APPR.	DD	HAWKESBURY, ONTARIO, CANADA		
APPROVED		DRAWING NO.		REV. A6
DE APPR.		D5795		SHEET 1 OF 6
DATE	20.01.15	TITLE		SCALE
		SHORT LID ASSY		NTS

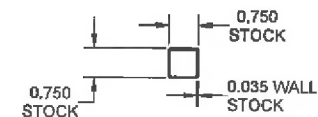
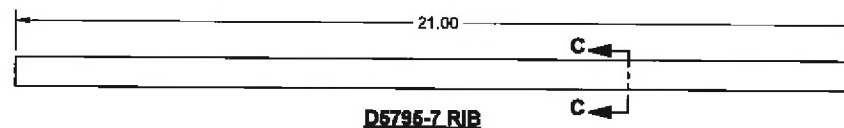
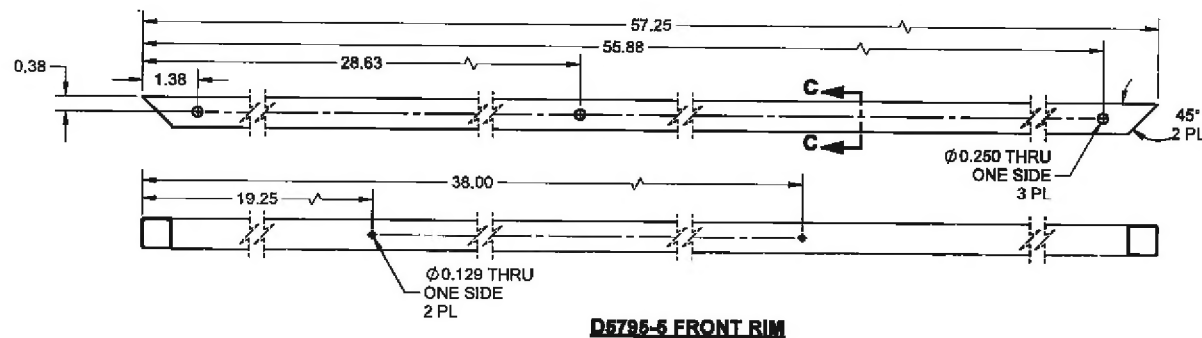
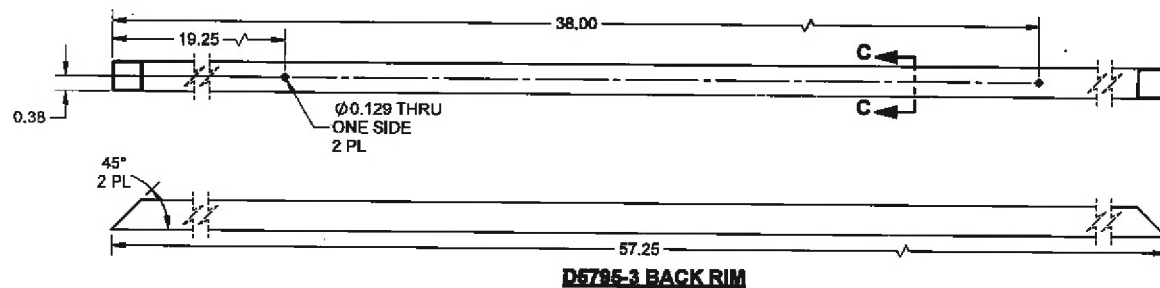
COPYRIGHT © 2008 BY DART AEROSPACE LTD
THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. IT IS NOT TO BE REPRODUCED OR COPIED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.



PRELIMINARY ISSUE

PRELIMINARY ISSUE

DESIGN	ZF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	KPT	DRAWING NO.	REV. A6
MFG. APPR.	DD	D5795	SHEET 2 OF 8
APPROVED		TITLE	SCALE
DE APPR.		SHORT LID ASSY	NTS
DATE	20.01.15	<small>COPYRIGHT © 2020 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITH-OUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

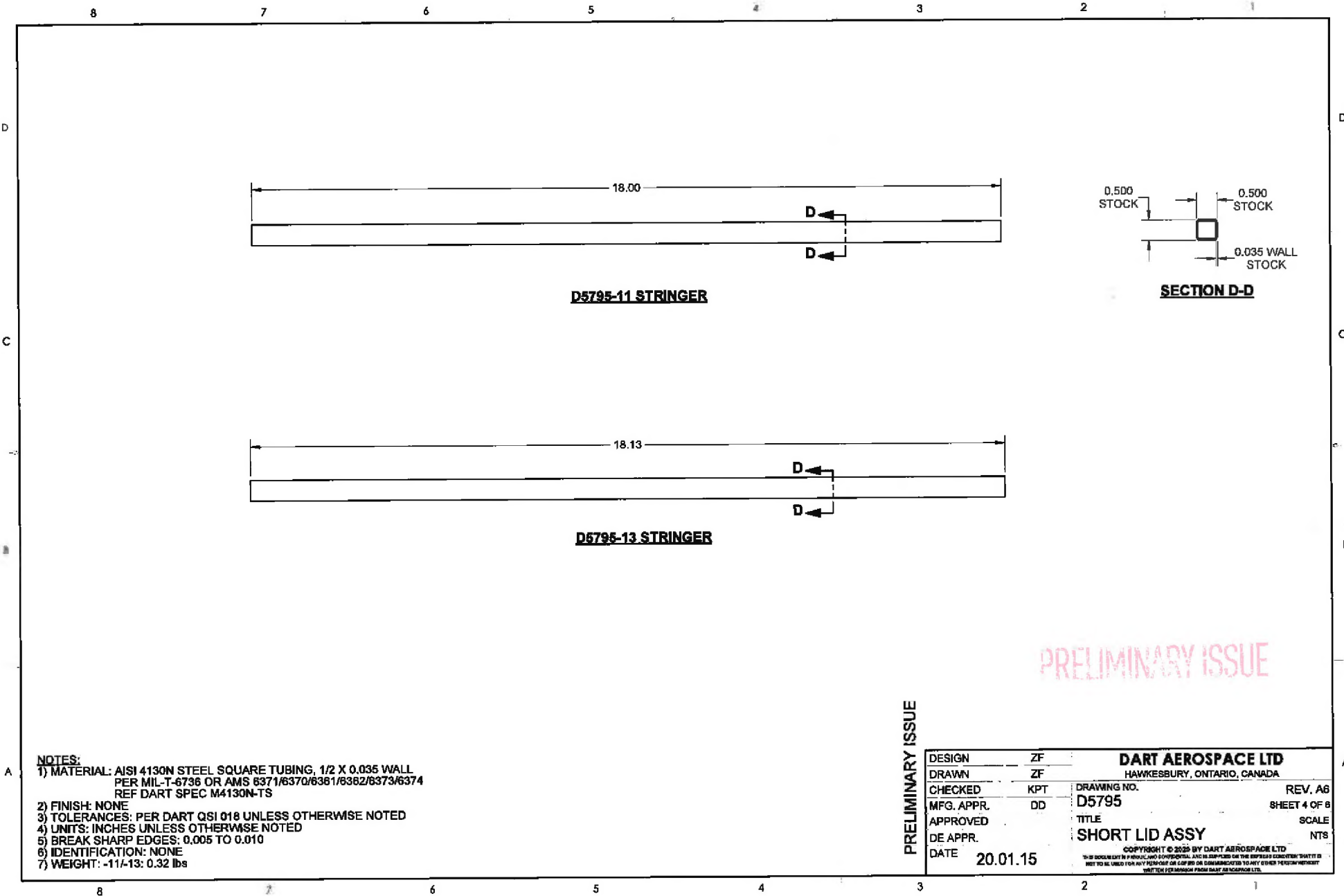


NOTES:

- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 3/4 X 0.035 WALL
PER MIL-T-6736 OR AMS 6371/6370/6361/6362/6373/6374
REF DART SPEC M4130N-TS
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -3/-6: 1.55 lbs
-7: 0.58 lbs

PRELIMINARY ISSUE

DESIGN	ZF	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A6
MFG. APPR.	DD	D5795	SHEET 3 OF 6
APPROVED		TITLE	SCALE
DE APPR.		SHORT LID ASSY	NTS
DATE	20.01.15	COPYRIGHT © 2020 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR DISCLOSED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

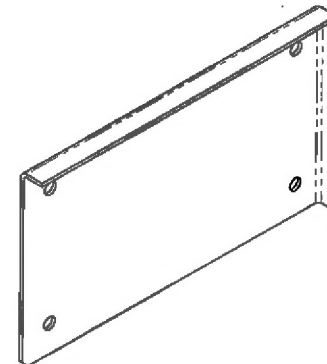
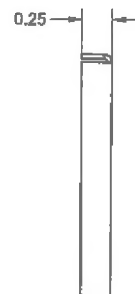
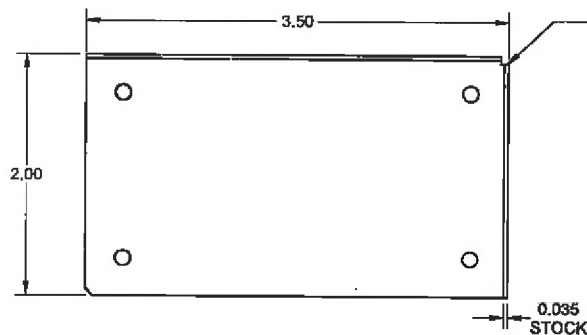


NOTES:

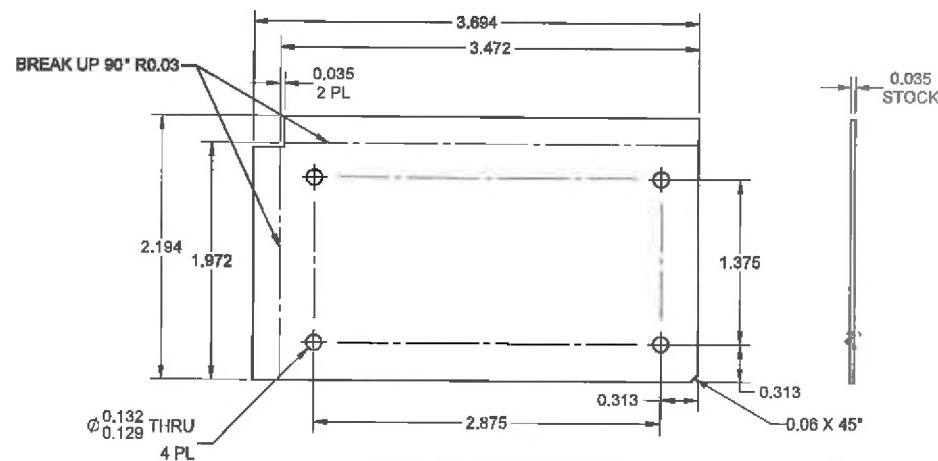
- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 1/2 X 0.035 WALL
PER MIL-T-6736 OR AMS 8371/6370/6361/6362/6373/6374
REF DART SPEC M4130N-TS
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -11/-13: 0.32 lbs

PRELIMINARY ISSUE

DESIGN	ZF	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A6
MFG. APPR.	DD	D5795	SHEET 4 OF 8
APPROVED		TITLE	SCALE
DE APPR.		SHORT LID ASSY	NTS
DATE	20.01.15	<small>COPYRIGHT © 2020 BY DART AEROSPACE LTD THIS DOCUMENT IS PROPRIETARY AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR ANY OR COMMUNICATED TO ANY OTHER PERSON OR ENTITY WITHOUT PERMISSION FROM DART AEROSPACE LTD.</small>	



D5795-15 PLACARD BRACKET
(DERIVED FROM AERO DESIGN P/N 36204-10)
(MAKE FROM D5795-15F)



D5795-15F FLAT PATTERN

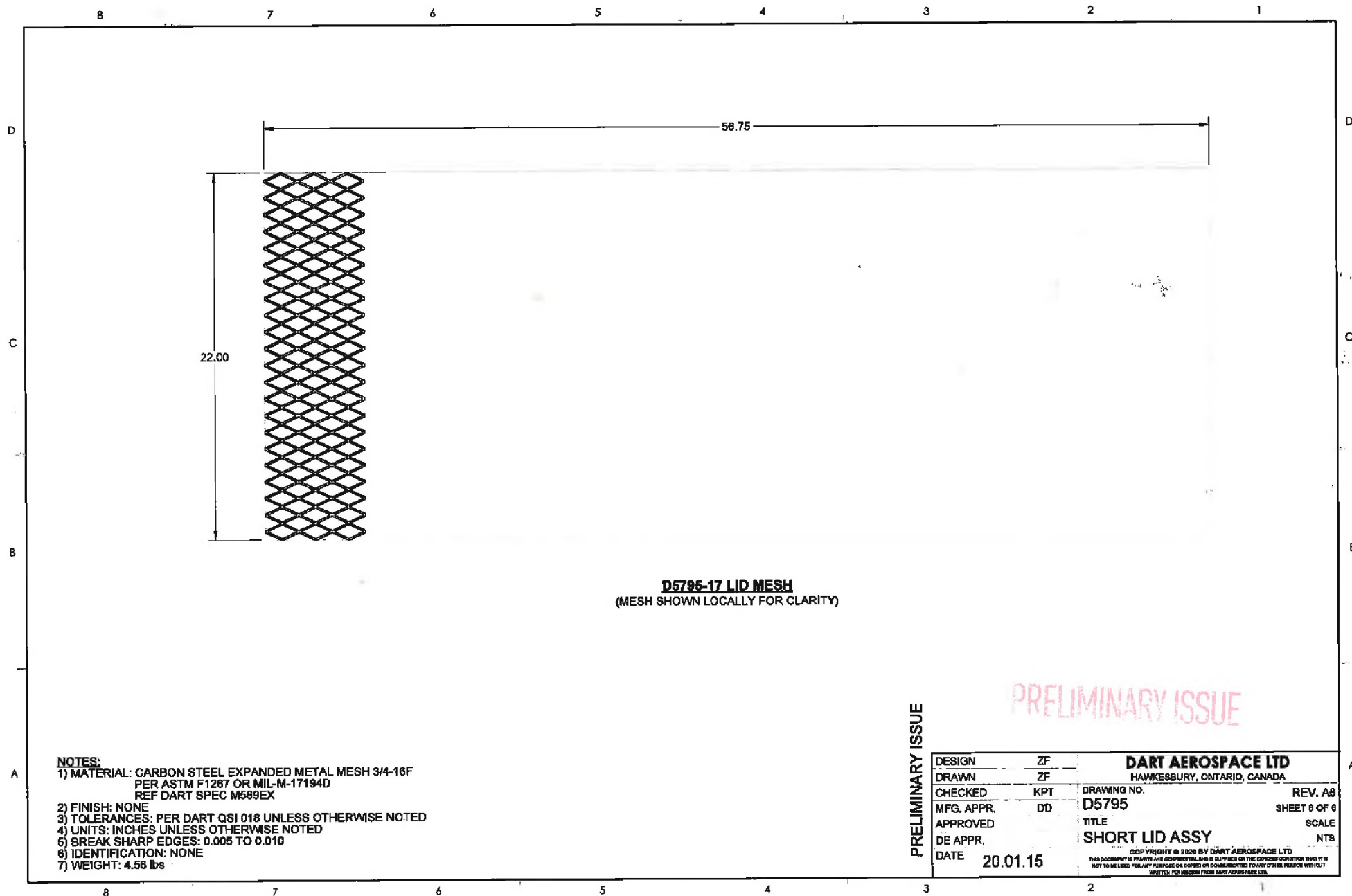
PRELIMINARY ISSUE

NOTES:

- 1) MATERIAL: AISI 1010/1025 STEEL SHEET, COLD ROLLED, #20GA (0.035 THICK)
PER ASTM A36/A366/A568/A1008 OR CSA G40-21 38W/44W/50W/60W/70W
REF DART SPEC M1010-S
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.08 lbs

PRELIMINARY ISSUE

DESIGN	ZF	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A0
MFG. APPR.	DD	D5795	SHEET 5 OF 6
APPROVED		TITLE	SCALE
DE APPR.		SHORT LID ASSY	NTS
DATE	20.01.15	COPYRIGHT © 2020 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



NOTES:

- 1) MATERIAL: CARBON STEEL EXPANDED METAL MESH 3/4-16F
PER ASTM F1267 OR MIL-M-17194D
REF DART SPEC M569EX
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 4.56 lbs

PRELIMINARY ISSUE

DESIGN	ZF	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A6
MFG. APPR.	DD	D5795	SHEET 6 OF 6
APPROVED		TITLE	SCALE
DE APPR.		SHORT LID ASSY	NTS
DATE	20.01.15	<small>COPYRIGHT © 2020 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045594



Supplier: FAC001-VU
Factory Steel
14020 Oakland Ave.
Detroit, MI 48203 USA
Phone: 313 883 6300
Fax: 313 883 4883

PO No: POHB045594

PO Date: 1/16/20

Due Date: 2/4/20

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

JAN 16 2020

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		M4130NTS1.000W.065			4130 Square Tube 0.750 X 0.036W : MATERIAL: AISI 4130N STEEL SQUARE TUBING PER ONE OF THE FOLLOWING SPEC'S: MIL-T-6736, AMS 6371, 6390, 6361, 6362, 6373 OR 6374	Firmed		2/4/20	600 ft	0 ft	600 ft	\$7.25/ft	\$4,350.00
2		M4130NTS1.000W.065			4130 Square Tube 1.000" X 1.000" X 0.065"W : MATERIAL: AISI 4130N STEEL SQUARE TUBING PER ONE OF THE FOLLOWING SPEC'S: MIL-T-6736, AMS 6371, 6390, 6361, 6362, 6373 OR 6374	Firmed		2/4/20	160 ft	0 ft	160 ft	\$11.70/ft	\$1,872.00
												Grand Total: \$6,222.00	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045594



Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable), No Raw Metals from China or Soviet Bloc Countries. (DFARS)
- A028 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents
- A048 counterfeit parts avoidance, detection, mitigation and disposition program.
- A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/16/20 11:38 AM Dart.Laviole.Chantal

PACKING LIST

No. 67371

PG 1 OF 1

PL

FACTORY STEEL & METAL SUPPLY 14020 OAKLAND AVENUE DETROIT, MI 48203		CUSTOMER JOB POHB045594 CUSTOMER JOB		BUYER CHANTEL LAVOIE Tel (613) 632-3336 Fax (613) 632-4443		SHIP DATE 01/21/2020 SHIP VIA ****TRUCK****	
(313)883-6300 PHONE (313)883-4883 FAX		SALES ORDER 60306		ORDER DATE 01/16/2020		SALES REP MICK HALON	
SOLD TO DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7		SHIP TO DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7		SHIP INST CALL WHEN READY PRO#		RESALE # 59-2958719	
				TERMS NET 30 DAYS		CARRIER TRUCK BLIND Y/N N FOB DETROIT	

LINE	QUANTITY	DESCRIPTION	WIDTH	LENGTH	WEIGHT
1	609.917 FT	4130N CD SNLSS SQ TUBE 3/4" X .035W Tag Mill Ref # Heat 153513 023679 616506	Pcs Length 26 20'/24' RL	20'/24' RL Feet 609.917	207.554 Weight 207.554
2	171.333 FT	4130N CD SNLSS SQ TUBE 1" X .065W Tag Mill Ref # Heat 153514 072143 072067859	Pcs Length 7 22'/23' RL	22'/23' RL Feet 171.333	141.606 Weight 141.606
3	1 PCS	PACKING CHARGES NTRS (CIRCLE) FAX SHIPMENT INVOICE ALL DATE: _____ INITIAL: _____			

TOTAL WT 349 LBS		RECEIVED BY - SIGNATURE		RECEIVED BY - PRINTED NAME		DATE RECEIVED	
---------------------	--	-------------------------	--	----------------------------	--	---------------	--

SO

M4130NTS0.750W.035

616506



DESIGN DH	DRAWN BY DH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED DH	APPROVED DH	DRAWING NO. M4130N-TS	REV. A SHEET 1 OF 1
DATE 05.02.09		TITLE 4130N SQUARE TUBING	SCALE NTS
A	05.02.09	NEW ISSUE	

PURCHASE MATERIAL:

AISI 4130N STEEL SQUARE TUBING PER ONE OF
THE FOLLOWING SPEC'S: MIL-T-6736, AMS 6371,
6360, 6361, 6362, 6373 OR 6374

DAS
82
9-89

PART NUMBER:

M4130N-TS | A.AAA | W | .TTT |

WHERE A.AAA = WIDTH IN INCHES
TTT = WALL THICKNESS IN INCHES

EXAMPLE: 0.50" X 0.035" WALL = M4130N-TS0.500W.035

05 02 09 DH

Copyright © 2005 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED IN ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



PLYMOUTH TUBE CO.

1200 E. 14th Street, Stretor, Illinois 60441
Phone (847) 473-1515 Fax (847) 473-1522

TRUST YOUR SENSES ACCEPTING SENSES WITH VISION



PRODUCT CERTIFICATION

SALES ORDER - LINE / RLS

75628 - 1 / 0

SHIP TO

Factory Steel & Metal Supply C
14020 Oakland Avenue
Detroit, MI 48203
USA

WORK ORDER 022479

PCS/HEAT 0

HEAT NUMBER 616506

MELT SOURCE Barmco Steel & Tube-Germany

CUSTOMER P.O. 3887	CUSTOMER PART SQ-N34035	QUANTITY	LADING NO	CERT ID / REV /	CERT DATE								
PART DESCRIPTION SHSQ0750035J300 ***** Square OD ***** Side1: 0.7500 Max:0.7600 Min:0.7400 Side2: 0.7500 Max:0.7600 Min:0.7400 Wall: 0.0350 Max:0.0380 Min:0.0320 Length: 15.7500 Spec: Seamless Aircraft Grade: 4150 Anneal: Cond N													
CERTIFICATION REQUIREMENTS FAR BAA (FAR 52.225-1 Buy America Act Supplies), DFARS 252.225-7001 Buy America Act & Bal. of Payments Program FAR TAA (FAR 52.225-5 Trade Agreements) (Paragraph 1, 4.5) This material was Eddy Current tested and conforms to the requirements of ASTM A-450. The Grain size is determined and reported by the raw material supplier in accordance to ASTM E-112. This raw material was magnetic particle inspected by the raw material supplier in accordance to AMS 2640J and/or ASTM E-1444, and rated as Frequency, and Severity to AMS 2301, latest revision. Yield is determined by using the 0.2% offset method. Additional Specifications: - AMS-T 6736B, 6360P & 6371L. Material produced in accordance to ASTM A-519-17 and MIL-T 6736B. This material meets Plymouth Company specifications. Jominy results: J(5/16")=45 J(8/16")=38													
Chemical Analysis													
C	Mn	P	S	Si	Al	Cr	Mo	Ni	Pb	Cu	V	Ti	Sn
.310	.55	.011	.002	.230	.036	.87	.18	.12	.001	.16	.002	.002	.010
Physical Properties													
Freq.	Severity	Grain Size											
.020	.015	9											
Mechanical Properties													
TEST	UNITS	#TESTS	HIGH	LOW	AVERAGE	STD-DEV							
Tensile	Psi	6	126660	125480	126065	482							
Yield	Psi	6	120930	119380	120387	374							
Elongation	%	6	21	20	20	1							
Rockwell C	Rc	6	25	25	25	0							
TEST	RESULT												
Decarb/OD	Pass												
Total ID/OD decarb	Pass												

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company, Stretor in compliance with the requirements of the cited specification. Chemistry is as reported by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

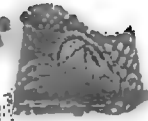
Quality Assurance



PLYMOUTH TUBE CO.

1207 E. 12th Street, Detroit, MI 48203
Phone: (313) 492-1000 Fax: (313) 492-1001

TRUST YOUR SOURCE. ACCEPT NO OTHERS.



PRODUCT CERTIFICATION

SALES ORDER - LINE / RLS

175628 - 1 / 0

SHIP TO

Factory Steel & Metal Supply C
14020 Oakland Avenue
Detroit, MI 48203
USA

WORK ORDER 023879

PCS/HEAT 0

HEAT NUMBER 616506

MELT SOURCE Banteler Steel & Tube-Germany

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	LOADING NO	CERT ID / REV	CERT DATE
3887	SC-N34035			/	

PART DESCRIPTION SHSQ0750035J300

Additional Specification(s)

TEST	UNITS	TESTS	HIGH	LOW	AVERAGE	STD-DEV
Brinell	Brinell	6	253	253	253	0

This test report data is for the heat Chemistry Listed above.

The material in this test report is:

- 1) Drawn in the USA
- 2) Free from Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Mercury contamination.
- 3) NAFTA compliant.

End of Certification

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company, Streator in compliance with the requirements of the cited specification. Chemistry is as reported by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

Janice B. Smith
Quality Assurance

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NTS 0.750W.035 PO / BATCH NO.: POMB045594
 DATE: JAN 27 2020 5250794

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 609 Pk
 QUANTITY INSPECTED: 609 Pk
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750W.035
 THICKNESS RECEIVED: .750W.035
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	MIL-T-6736
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	66506
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT PM# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (Y)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

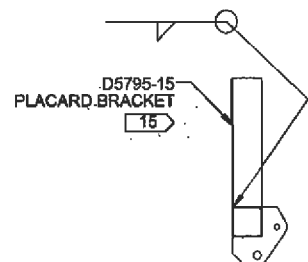
CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

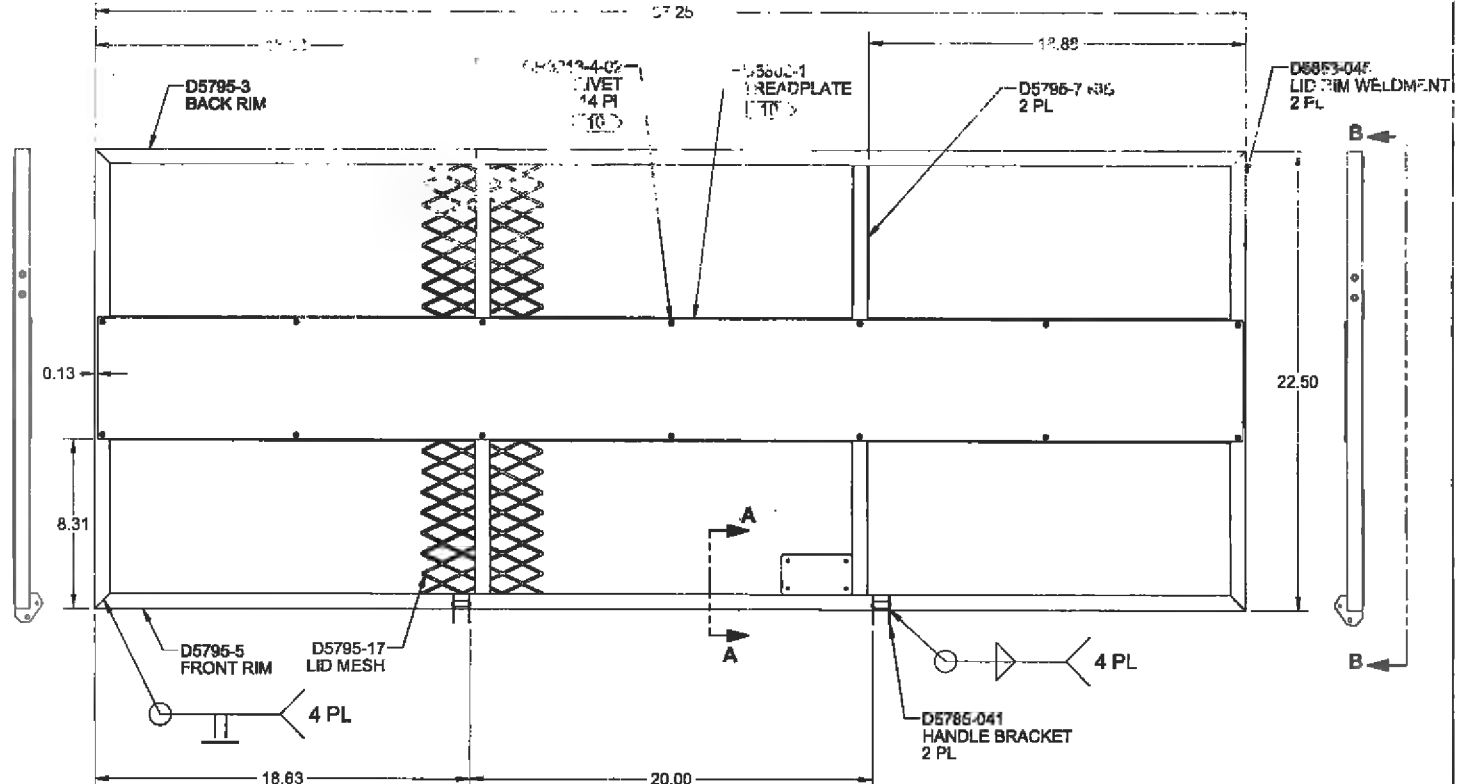
QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____	DAS 32 0.89	SIGNED OFF BY: _____
DATE: <u>JAN 27 2020</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QTY -041	P/N	DESCRIPTION
X	D5795-041	SHORT LID ASSY
2	D5785-041	HANDLE BRACKET
1	D5795-3	BACK RIM
1	D5795-5	FRONT RIM
2	D5795-7	RIB
2	D5795-11	STRINGER
4	D5795-12	STRINGER
1	D5795-15	PLACARD BRACKET
1	D5795-17	LID MESH
1	D5802-1	TREADPLATE
2	D5853-045	LID RIM WELDMENT
14	CR3213-4-02	RIVET



SECTION A-A
SCALE 2X



D5795-041 SHORT LID ASSY
(DERIVED FROM AERO DESIGN P/N 77612-01)
(MESH SHOWN LOCALLY FOR CLARITY)

- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: POWDER COAT "WHITE" (4.3.5.1) PER DART QSI 005 4.3.
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
 - 7) WEIGHT: 14.14 lbs
 - 8) WELD PER DART QSI 004. IT IS PERMISSIBLE TO BUFF OR GRIND TO CLEAN UP WELDS
 - 9) DRILL #30 (Ø0.129) VENT HOLES AS REQUIRED. FILL ALL EXPOSED VENT HOLES WITH ROSETTE WELD PRIOR TO FINISH.
 - 10) INSTALL TREADPLATE AFTER FINISH. TRANSFER MARK AND DRILL HOLES Ø0.129 +0.003 / -0.000 FROM TREADPLATE TO LID. FAY SEAL TO SURFACES BETWEEN LID AND TREADPLATE WITH RTV SILICONE. SECURE TREADPLATE WITH RIVETS.
 - 11) WELD EVERY MESH INTERSECTION ALONG RIM.
 - 12) FOR EACH RIB, WELD FIRST 5 MESH INTERSECTIONS DOWN EACH END, THEN EVERY 2ND MESH INTERSECTION MINIMUM.
 - 13) FOR EACH STRINGER, WELD EVERY 2ND MESH INTERSECTION MINIMUM.
 - 14) ALIGN STRINGERS TO TOP OF LID.
 - 15) LOCATE D5795-15 PLACARD BRACKET FLUSH WITH BOTTOM OF LID. TRIM MESH TO CLEAR BRACKET LEAVING 0.25 OVERLAP. WELD MESH TO BRACKET.

RELEASED

2020 FEB 18 NP
ECW 2020-521

UNDER REVIEW
URP 2020-522 20.02.14 (NO)

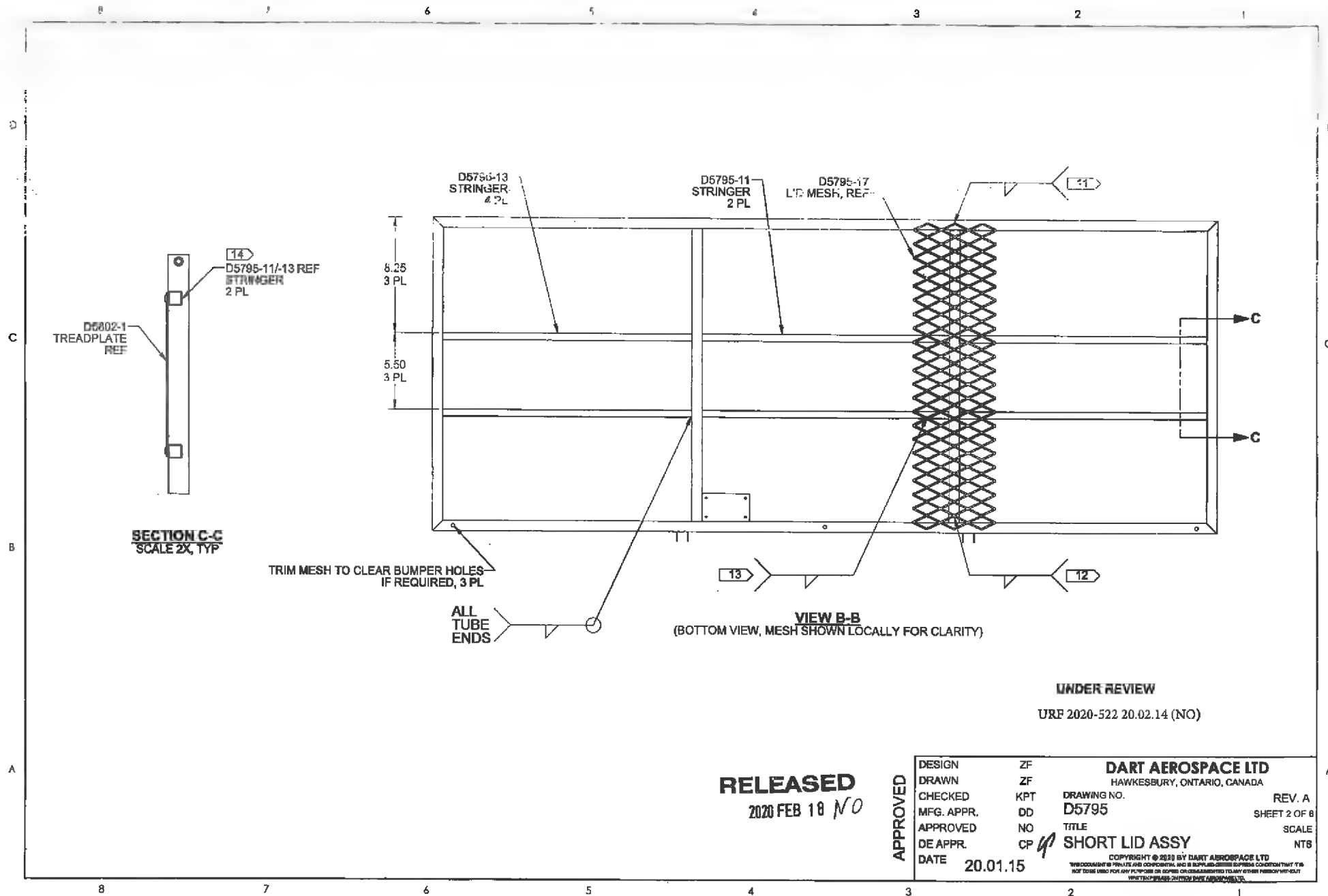
APPROVED

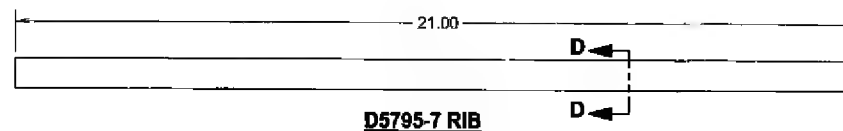
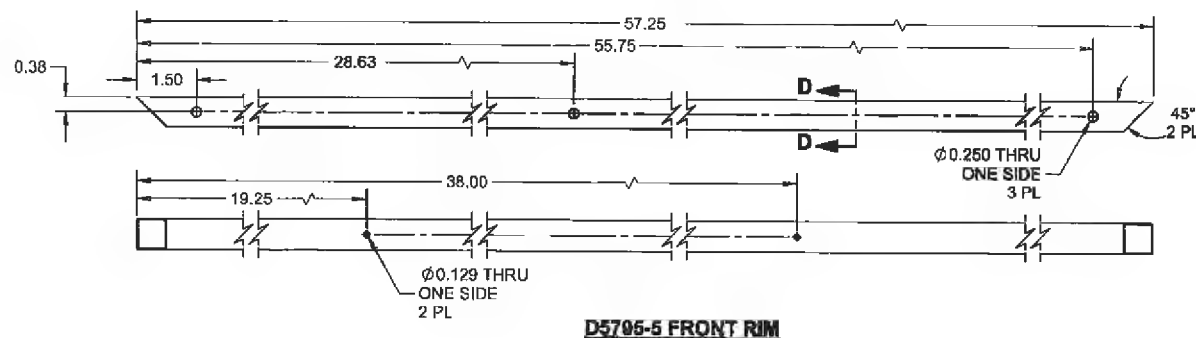
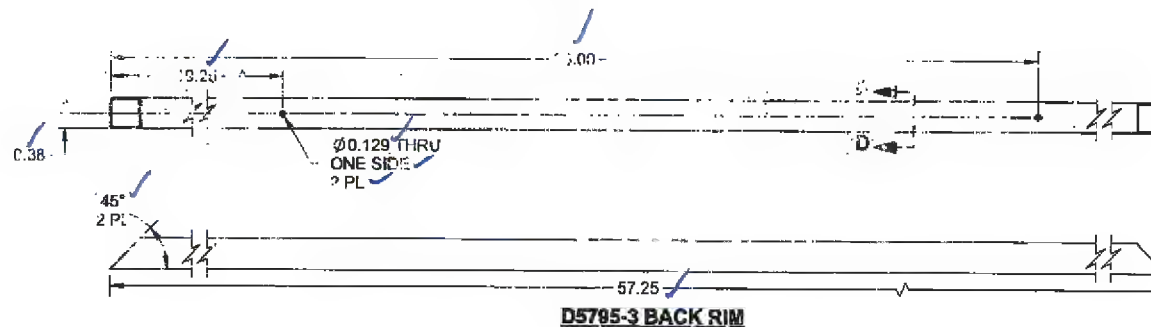
REV.	DESCRIPTION	BY	DATE
DESIGN	ZF		20.01.15
DRAWN	ZF		
CHECKED	KPT		
MFG. APPR.	DD		
APPROVED	NO		
DE APPR.	CP		
DATE	20.01.15		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D5795**
TITLE **SHORT LID ASSY**
REV. A
SHEET 1 OF 8
SCALE
NTS

COPYRIGHT © 2015 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS INTENDED FOR THE EXCLUSIVE USE OF THE CUSTOMER. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.





NOTES:

- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 3/4 X 0.035 WALL
PER MIL-T-8736 OR AMS 6371/6360/6361/6362/6373/6374
REF DART SPEC M4130N-TS0.750W.035
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -3/-5: 1.55 lbs
-7: 0.58 lbs

RELEASED

2020 FEB 18 NO

APPROVED

DESIGN ZF
DRAWN ZF
CHECKED KPT
MFG. APPR. DD
APPROVED NO
DE APPR. CP
DATE 20.01.15

UNDER REVIEW

URP 2020-522 20.02.14 (NO)

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D5795

TITLE
SHORT LID ASSY

REV. A

SHEET 3 OF 6

SCALE

NTS

COPYRIGHT © 2020 BY DART AEROSPACE LTD
THIS DOCUMENT IS UNCLASSIFIED AND CONTROL NO. 1 IS APPLIED TO THIS DOCUMENT IN ACCORDANCE WITH THE
PROVISIONS OF THE ACCESS TO INFORMATION ACT

8

7

6

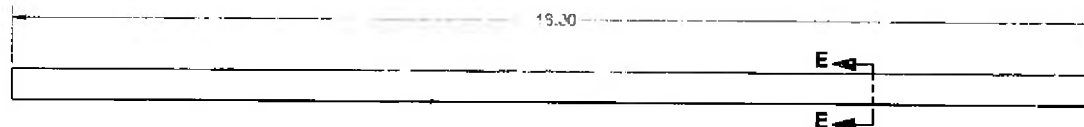
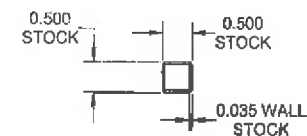
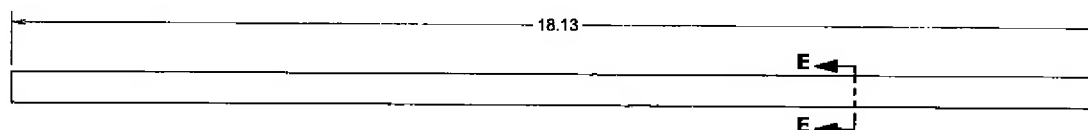
5

4

3

2

1

**D5795-11 STRINGER****SECTION E-E****D5795-13 STRINGER**

UNDER REVIEW

URF 2020-522 20.02.14 (NO)

NOTES:

- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 1/2 X 0.035 WALL
PER MIL-T-6736 OR AMS 6371/6360/6361/6362/6373/6374
REF DART SPEC M4130N-TS0.500W.035
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -11/-13: 0.32 lbs

RELEASED
2020 FEB 18 NO

APPROVED

DESIGN ZF
DRAWN ZF
CHECKED KPT
MFG. APPR. DD
APPROVED NO
DE APPR. CP
DATE 20.01.15

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

D5795

TITLE

SHORT LID ASSY

REV. A

SHEET 4 OF 6

SCALE

NTS

COPYRIGHT © 2020 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. NO DISSEMINATION OR REPRODUCTION OF THIS DOCUMENT IS PERMITTED FOR ANY PURPOSE OR ON ANY MEDIUM WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

8

7

6

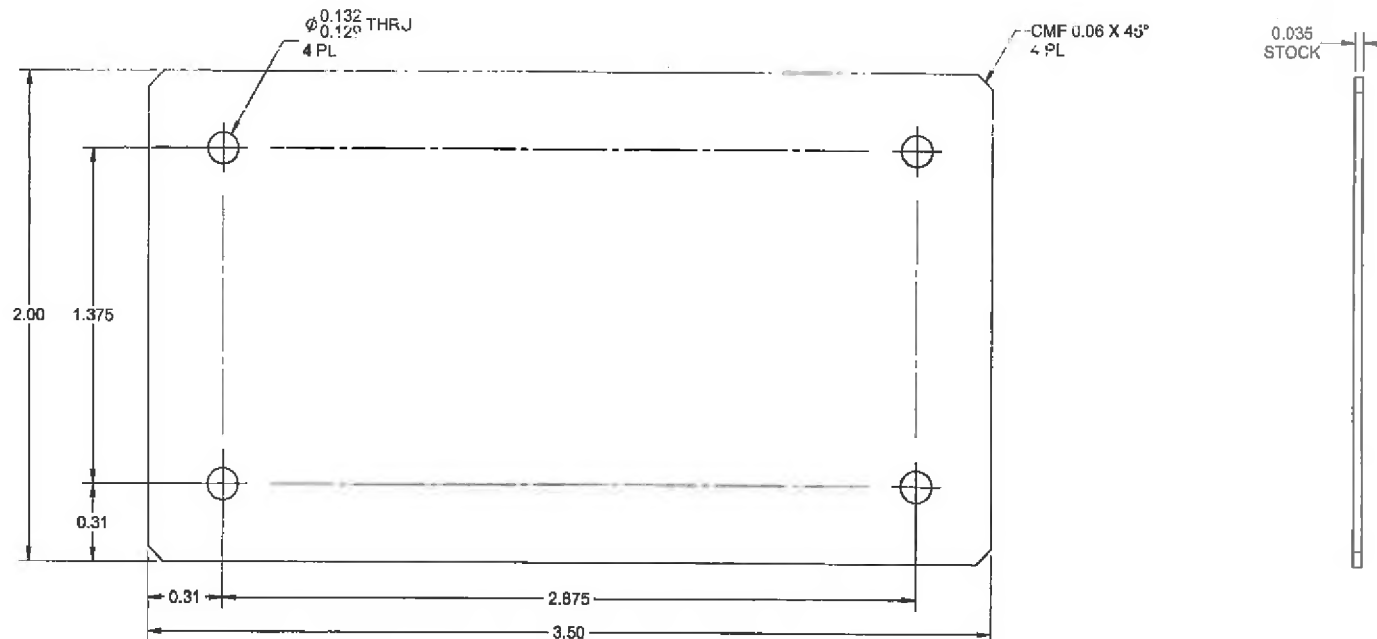
5

4

3

2

1



D5795-15 PLACARD BRACKET
(DERIVED FROM AERO DESIGN P/N 36204-10)

UNDER REVIEW

URF 2020-522 20.02.14 (NO)

NOTES:

- 1) MATERIAL: AISI 1010/1025 STEEL SHEET, COLD ROLLED, #20GA (0.035 THICK)
PER ASTM A36/A368/A1008 OR CSA G40-21 38W/44W/50W/60W/70W
REF DART SPEC M1010-S20GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 016 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.07 lbs

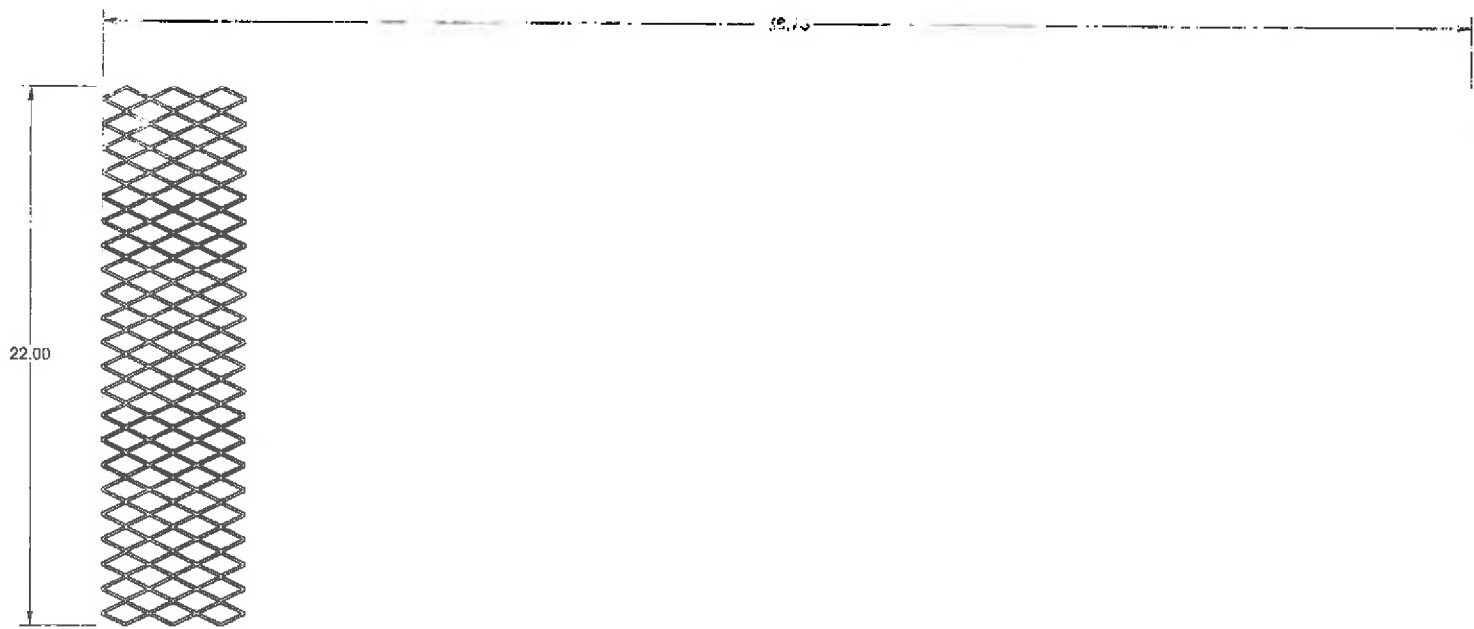
RELEASED

2020 FEB 18 *No*

APPROVED

DESIGN	ZF	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A
MFG. APPR.	DD	D5795	SHEET 5 OF 6
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	SHORT LID ASSY	NTS
DATE	20.01.15	<small>COPYRIGHT © 2020 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUBJECT TO THE PATENT RIGHTS OF DART AEROSPACE LTD. NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

8 7 6 5 4 3 2 1



D5795-17 LID MESH
(MESH SHOWN LOCALLY FOR CLARITY)

UNDER REVIEW
URF 2020-522 20.02.14 (NO)

NOTES:

- 1) MATERIAL: CARBON STEEL EXPANDED METAL MESH 3/4-16F
PER ASTM F1287 OR MIL-M-17194D
REF DART SPEC M569EX0.75-16F
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 4.58 lbs

RELEASED
2020 FEB 18 NO

APPROVED

DESIGN	ZF	DART AEROSPACE LTD	
DRAWN	ZF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	DRAWING NO.	REV. A
MF.G. APPR.	DD	D5795	SHEET 6 OF 6
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	SHORT LID ASSY	NTS
DATE	20.01.15	COPYRIGHT © 2020 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

8 7 6 5 4 3 2 1

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

Date: 2020.02.14	Job No.: Aero2019	ADR Yes/No: N	ADR Date:	ECN #: 2020 521
Product No.: D350-1080 baskets		Created By: NO	Approved By: <i>AD</i>	
Product Name: Quick Release Cargo Baskets		Checked By:		

Reason for Change:

D350-1080 Baskets Limited Release #1

Documents Released:

D5785 at Rev A, D5796 at Rev A, D5794 at Rev A, D5770 at Rev A, D5815 at Rev A, M304 TS at Rev E, M3003H22TP at Rev A, D5806 at Rev A, M302SW at Rev B
D5759 at Rev A, D5805 at Rev A, D5803 at Rev A, D5853 at Rev A, D5765 at Rev A, D5760 at Rev A, D5761 at Rev A, D5802 at Rev A, D5808 at Rev A, D5810 at Rev A.

IF APPLICABLE: NCR: _____ PAR: _____ CAR: _____ CIR: _____ URF: 2020-522

PAPERWORK UPDATE

☒

PARTS MUST COMPLY

☐

PREVIOUS PARTS SATISFACTORY

☒

#	Quality Assurance / Customer Support Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Airbus	N			
3	Notify Leonardo	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	NO	ALL RELEASED PARTS PLACED UNDER REVIEW	<i>met. 20.02.18</i>
6	Update Master Document List (MDL)	N		NO MDL/STC FOR THESE PARTS AT THIS TIME	
7	Update Document Record (DR)	N			
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	MG		<i>met. 20.02.18</i>
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	MG		<i>met. 20.02.18</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	MG		<i>met. 20.02.18</i>
17	Update / Verify Authorized Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	N		NO TOP LEVELS AT THIS RELEASE	
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Opulse) Database	Y	MG	<i>No dwgs at suppliers</i>	<i>met. 20.02.18</i>
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	MG		<i>met. 20.02.18</i>
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

Releasing first batch of D350-1080 basket drawing updates for production under Limited Release per QSI 040.

Place all parts under review, Engineering to sign off work orders for on risk production

No STC for these parts at this time

No nine digit BOMS/ROUTES/CHG#S for this release

Previous Parts Satisfactory for M Drawing updates. M Drawings not under Review

ECN Verified & Complete: _____ Date: _____